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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference										
Bisph₁01	FOR FURTHER ACTION See Notification of Transmittal of International Pr Examination Report (Form PCT/IPEA/416)		fication of Transmittal of International Preliminary tion Report (Form PCT/IPEA/416)							
International application No.	International filing date (day/mo	onth/year)	Priority Date (day/month/year)							
PCT/IN 2004/000238	10 August 2004 (10.08	3.2004)	21 August 2003 (21.08.2003)							
International Patent Classification (IPC) or na	ional classification and IPC									
IPC ⁷ : C07F 9/38										
1	Applicant									
SUN PHÀRMACEUTICAL INDÚS	STRIES LIMITED									
This international preliminary examination report has been prepared by this International Preliminary Examination Authority and is transmitted to the applicant according to Article 36.										
2. This REPORT consists of a total										
This report is also accomp	anied by ANNEXES, i.e., she	ets of the des	cription, claims and/or drawings which have been							
amended and are the basis	This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule									
70.16 and Section 607 of t	ne Administrative Instructions	s under the Po	CT).							
These annexes consist of a total of	f sheets.									
3. This report contains indications re	lating to the following items:									
I. Basis of the opi	-i									
	nion									
II. Priority	II. Priority									
III. Non-establishm	ent of opinion with regard to	novelty, inve	ntive step and industrial applicability							
IV. Lack of unity o	f invention									
	V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
VI. Certain docume	•	tatement								
	in the international application	n .								
VIII Certain observe	VIII. Certain observations on the international application									
Date of submission of the demand		Date of compl	etion of this report							
25.02.200	5	21 N	November 2005 (21.11.2005)							
	_		,							
Name and mailing address of the IPEA	/AT A	Authorized of	ficer							
Austrian Patent Office			SLABY S.							
Dresdner Straße 87			SLADI S.							
A-1200 Vienna	l _n	relephone No	. 1/53424/348							
Facsimile No. 1/53424/200										

Form PCT/IPEA/409 (cover sheet) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/IN 2004/000238	

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•	Basis of the report With regard to the elements of the international application:*	ĺ
	the international application as originally filed	
	the description: pages, as originally filed pages, filed with the demand pages, filed with the letter of	
	the claims: pages, as originally filed pages, as amended (together with any statement) under Article 19 pages, filed with the demand pages, filed with the letter of	
	the drawings: pages, as originally filed pages, filed with the demand pages, filed with the letter of	
	the sequence listing part of the description: pages, as originally filed pages, filed with the demand pages, filed with the letter of	
2	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:	
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).	-
	the language of publication of the international application (under Rule 48.3(b)).	
	the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/ or 55.3).	
:	3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:	
	contained in the international application in printed form.	
	filed together with the international application in computer readable form.	
	furnished subsequently to this Authority in written form.	
	furnished subsequently to this Authority in computer readable form.	
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.	
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.	
	4. The amendments have resulted in the cancellation of:	
	the description, pages	
	the claims, Nos.	
	the drawings, sheets/fig	
	5. This report has been established as if (some of) the amendments had not been made, since they have been considered to g beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	,o
	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and	l to
	70.17). ** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/IN 2004/000238

V. Reasoned statement under Artic citations and explanations supp	cle 35(2) v	with regard to novelty, inventive step or industrial applicability; ch statement	
1. Statement			
Novelty (N)	Claims	1-9	YES
	Claims		NO
Inventive step (IS)	Claims	1-9	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-9	YES
	Claims		· NO -
Citations and explanations (Rule 70	.7)		

All documents cited in the search report are referred to in this communication.

In the light of the disclosure and the (combined) teachings of these documents, the present application is considered to meet the requirements, novelty and inventive step, since:

- a process for the preparation of biphosphonic acid compounds which comprises the reaction of a carboxylic acid with phosphorous acid and a phosphorous chloride wherein sulfolane is used as the solvent, is not known from prior art literature and
- there could not be derived any suggestion from the (combined) teachings of prior art that by the use of a water miscible and neutral solvent (sulfolane) instead of prior art solvents which are not water miscible (organic) solvents and/or not neutral solvents superior yields of biphosphonic acid compounds can be obtained and the reaction mixture can be conveniently worked up by quenching into water.

Industrial applicability is given.